



Appendix A.6

Heating and Related Equipment



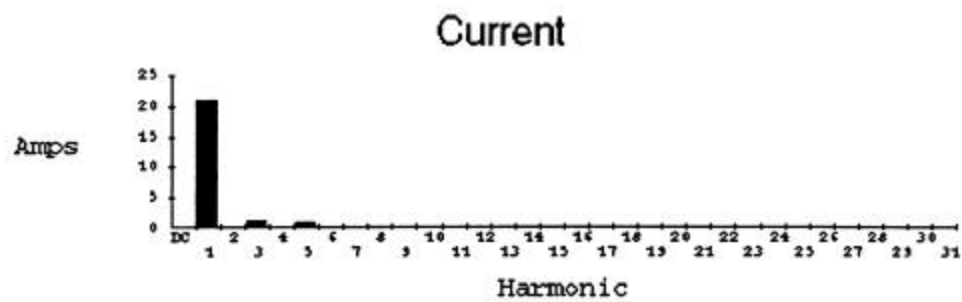
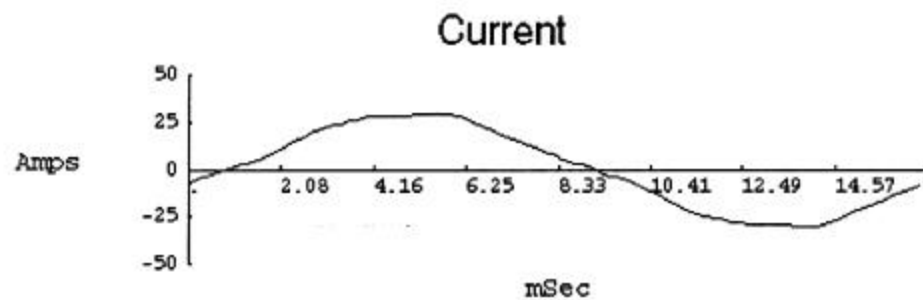
Heat Pump

Model - Water Furnace Inc. ATV057A110CLT

Ratings - 208-240V, 35.4FLA (Yr - 1994)

Normal Voltage Condition at high power

			Voltage	Current
Frequency	60.04	RMS	241.0	20.93
Power		Peak	342.5	30.54
KW	4.81	DC Offset	-0.1	-0.23
KVA	5.04	Crest	1.42	1.46
KVAR	1.58	THD Rms	2.22	7.13
Peak KW	10.11	THD Fund	2.22	7.14
Phase	18° lag	HRMS	5.4	1.49
Total PF	0.95	KFactor		1.10
DPF	0.95			



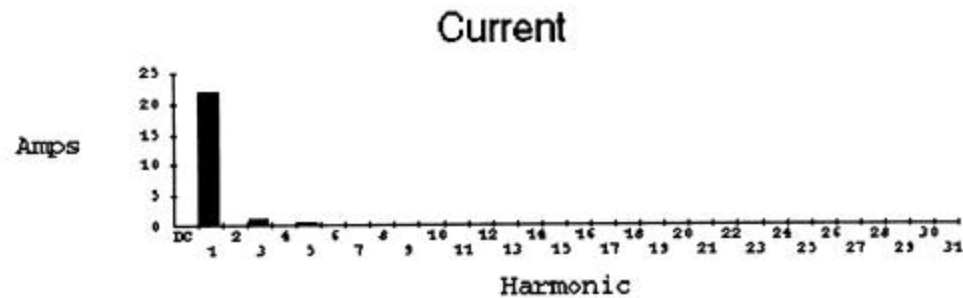
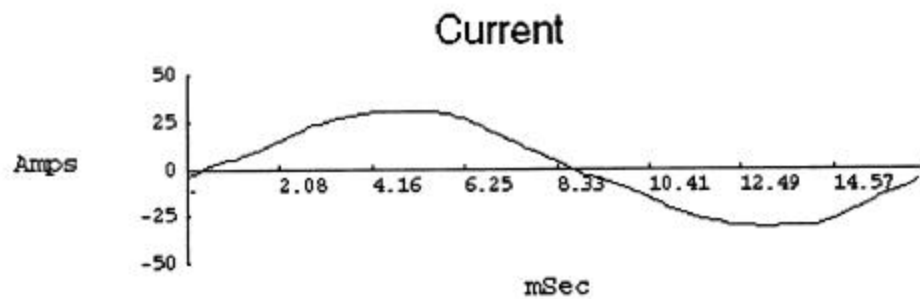
Heat Pump

Model - Water Furnace Inc. ATV057A110CLT

Ratings - 208-240V, 35.4FLA (Yr - 1994)

Low Voltage Condition at high power

			Voltage	Current
Frequency	60.04	RMS	216.1	22.14
Power		Peak	306.7	31.67
KW	4.69	DC Offset	-0.2	-0.22
KVA	4.78	Crest	1.42	1.43
KVAR	0.93	THD Rms	2.04	5.84
Peak KW	9.69	THD Fund	2.04	5.84
Phase	11° lag	HRMS	4.4	1.29
Total PF	0.98	KFactor		1.07
DPF	0.98			



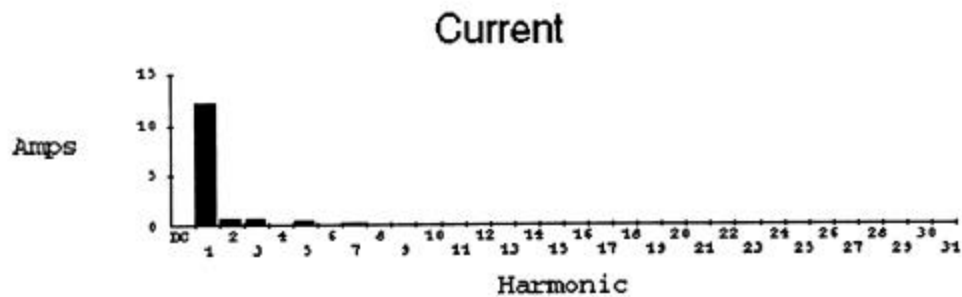
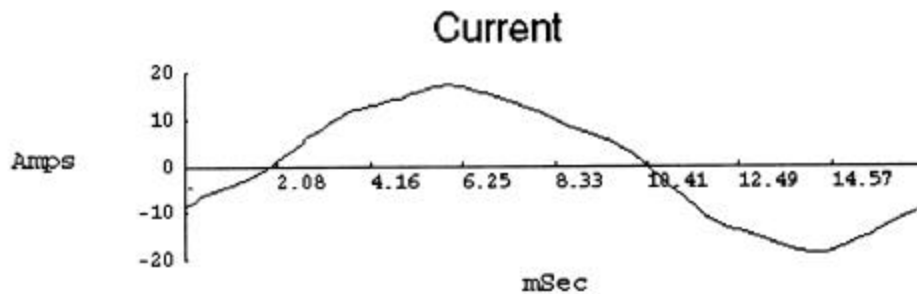
Heat Pump

Model - Water Furnace Inc. ATV057A110CLT

Ratings - 208-240V, 35.4FLA (Yr - 1994)

Normal Voltage Condition at medium power

Frequency	60.04	RMS	Voltage	Current
Power		Peak	241.0	12.29
KW	2.32	DC Offset	338.0	18.49
KVA	2.96	Crest	-0.1	0.00
KVAR	1.84	THD Rms	1.4	1.50
Peak KW	5.80	THD Fund	2.30	8.57
Phase	39° lag	HRMS	2.30	8.60
Total PF	0.78	KFactor	5.5	1.05
DPF	0.78			1.10



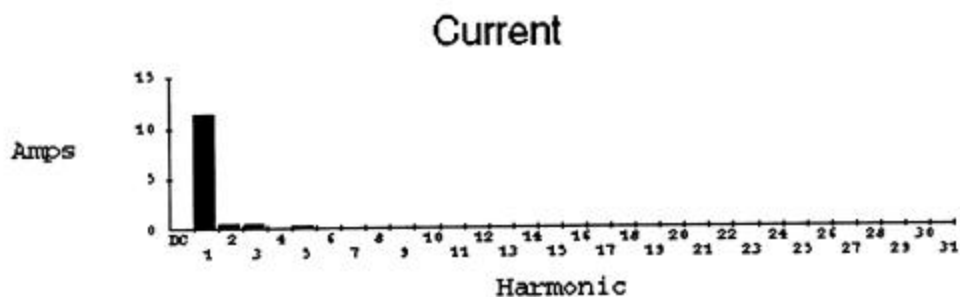
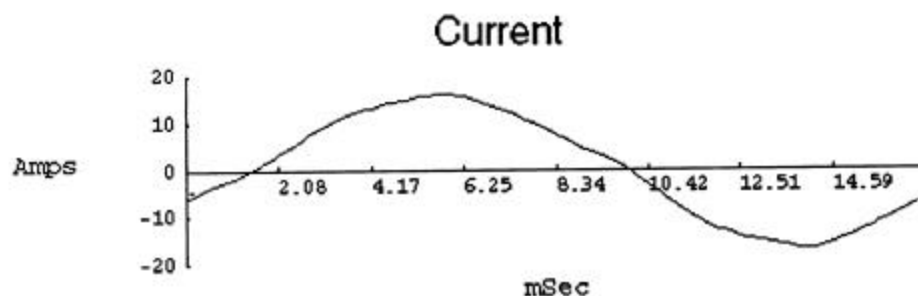
Heat Pump

Model - Water Furnace Inc. ATV057A110CLT

Ratings - 208-240V, 35.4FLA (Yr - 1994)

Low Voltage Condition at medium power

			Voltage	Current
Frequency	59.98	RMS	216.1	11.38
Power		Peak	303.2	16.90
KW	2.13	DC Offset	0.3	0.00
KVA	2.46	Crest	1.4	1.49
KVAR	1.23	THD Rms	2.16	6.55
Peak KW	4.84	THD Fund	2.16	6.56
Phase	30° lag	HRMS	4.7	0.74
Total PF	0.87	KFactor		1.05
DPF	0.86			



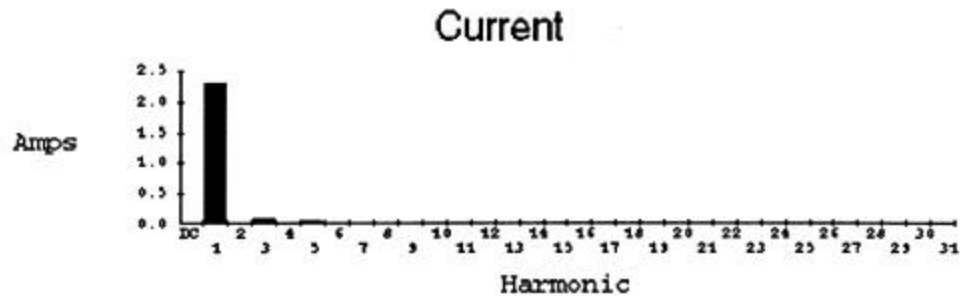
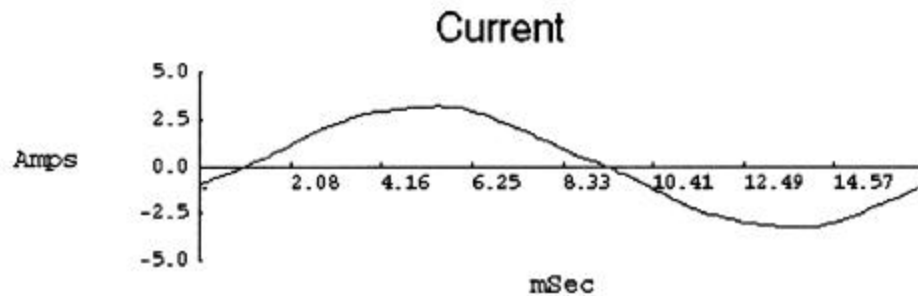
Heat Pump

Model - Water Furnace Inc. ATV057A110CLT

Ratings - 208-240V, 35.4FLA (Yr - 1994)

Normal Voltage Condition at low power

			Voltage	Current
Frequency	60.04	RMS	240.2	2.29
Power		Peak	337.1	3.33
KW	0.51	DC Offset	0.0	-0.02
KVA	0.55	Crest	1.4	1.46
KVAR	0.20	THD Rms	2.33	4.27
Peak KW	1.09	THD Fund	2.33	4.27
Phase	21° lag	HRMS	5.6	0.10
Total PF	0.93	KFactor		1.05
DPF	0.93			



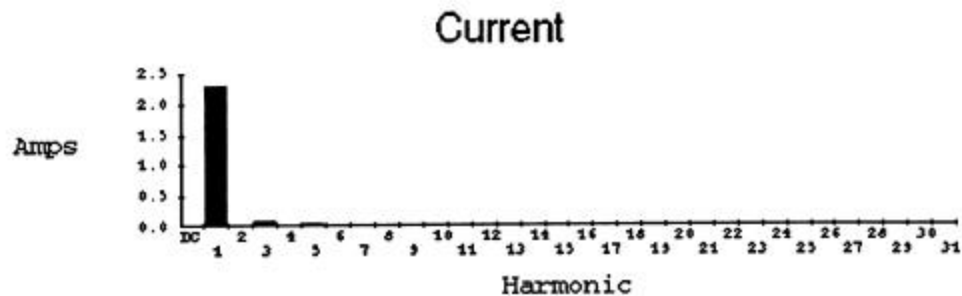
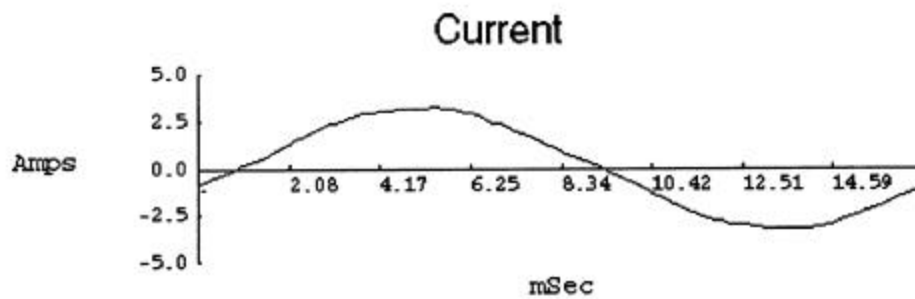
Heat Pump

Model - Water Furnace Inc. ATV057A110CLT

Ratings - 208-240V, 35.4FLA (Yr - 1994)

Low Voltage Condition at low power

			Voltage	Current
Frequency	59.98	RMS	216.8	2.31
Power		Peak	304.2	3.33
KW	0.48	DC Offset	0.1	-0.02
KVA	0.50	Crest	1.4	1.44
KVAR	0.16	THD Rms	2.29	3.86
Peak KW	0.99	THD Fund	2.29	3.86
Phase	19° lag	HRMS	5.0	0.09
Total PF	0.95	KFactor		1.04
DPF	0.95			



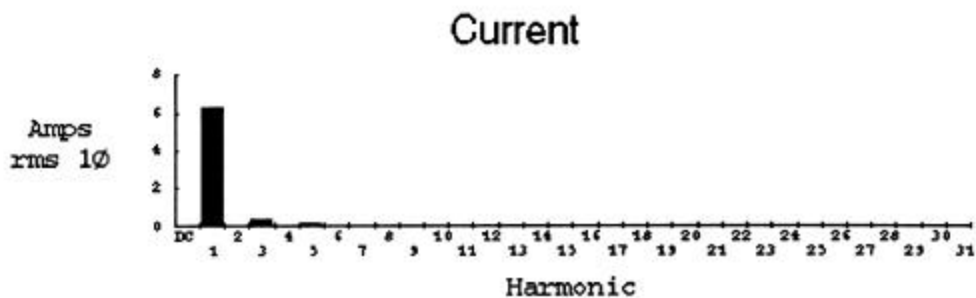
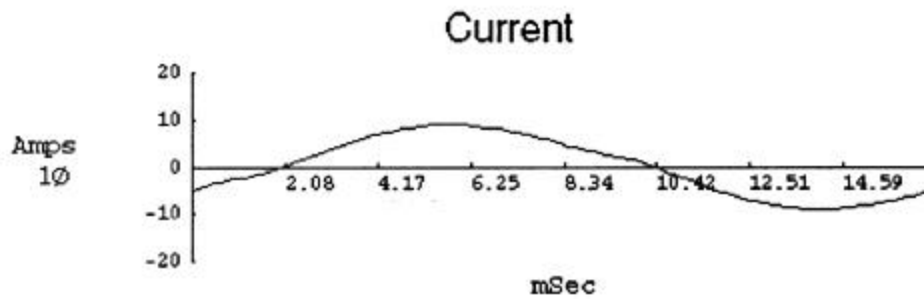
Water Pump

Model - Franklin Electric 2445050117

Ratings - 230V, 0.37KW, 5A (Yr - 1994)

Normal Voltage Condition

			Voltage	Current
Frequency	59.98	RMS	240.5	6.29
Power		Peak	338.3	9.35
KW	1.18	DC Offset	0.0	-0.02
KVA	1.51	Crest	1.41	1.49
KVAR	0.94	THD Rms	1.92	7.00
Peak KW	2.91	THD Fund	1.92	7.02
Phase	39° lag	HRMS	4.6	0.44
Total PF	0.78	KFactor		1.06
DPF	0.78			



Water Pump

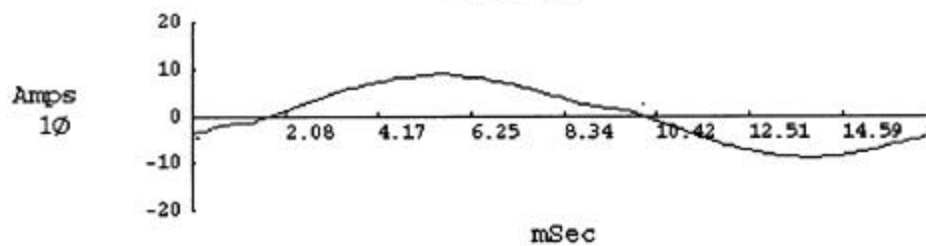
Model - Franklin Electric 2445050117

Ratings - 230V, 0.37KW, 5A (Yr - 1994)

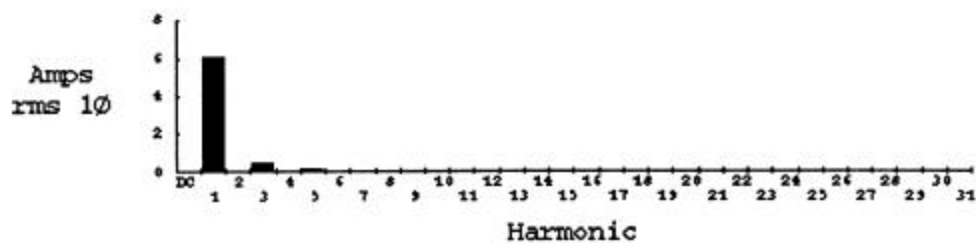
Low Voltage Condition

			Voltage	Current
Frequency	59.98	RMS	217.1	6.06
Power		Peak	305.1	9.11
KW	1.11	DC Offset	0.0	-0.02
KVA	1.32	Crest	1.41	1.50
KVAR	0.70	THD Rms	1.88	8.19
Peak KW	2.61	THD Fund	1.88	8.22
Phase	32° lag	HRMS	4.1	0.50
Total PF	0.84	KFactor		1.08
DPF	0.84			

Current



Current



Water Heater

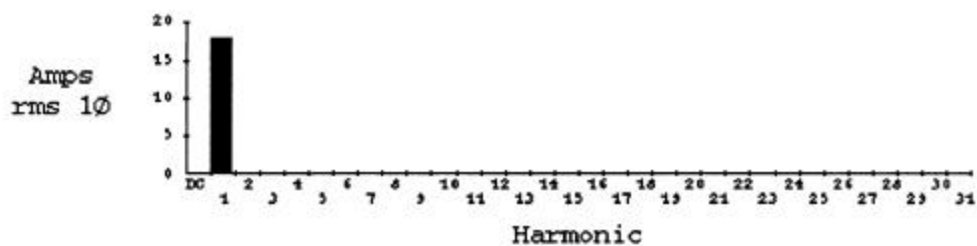
Model - A.O. Smith EES52913

Ratings - 240V, 4.5KW (Yr - 1994)

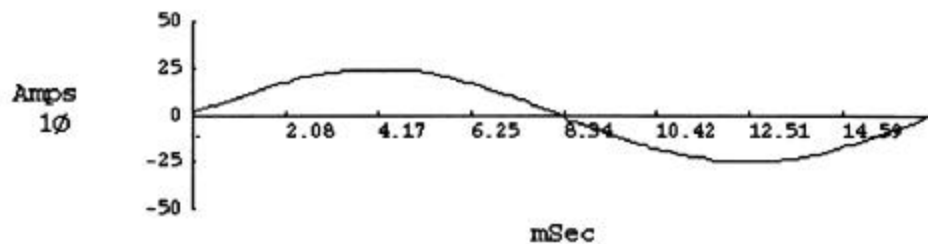
Normal Voltage Condition

			Voltage	Current
Frequency	59.98	RMS	240.4	18.01
Power		Peak	338.0	25.24
KW	4.33	DC Offset	0.3	-0.22
KVA	4.33	Crest	1.41	1.40
KVAR	0.05	THD Rms	1.94	2.05
Peak KW	8.60	THD Fund	1.94	2.05
Phase	1° lead	HRMS	4.7	0.37
Total PF	1.00	KFactor		1.04
DPF	1.00			

Current



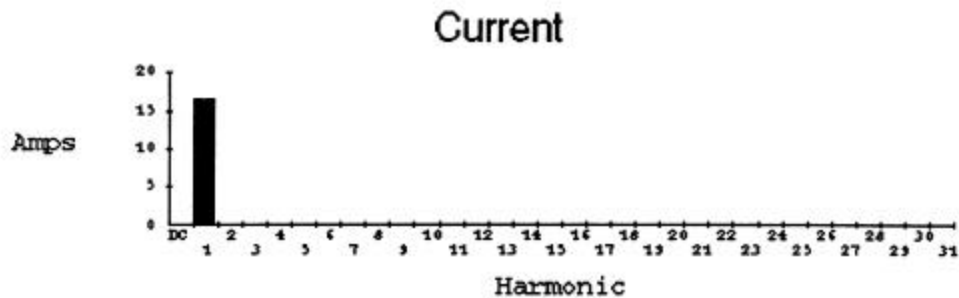
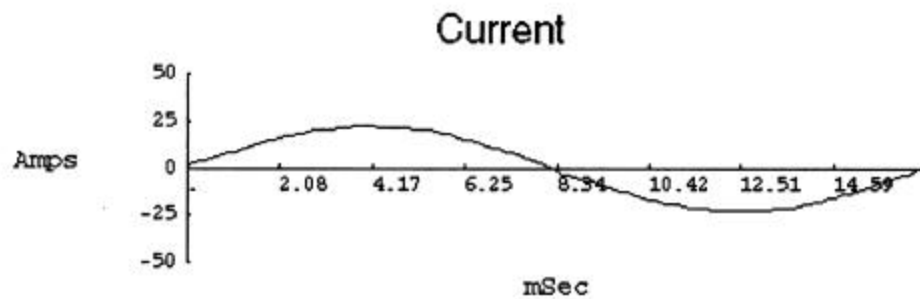
Current



Water Heater
Model - A.O. Smith EES52913
Ratings - 240V, 4.5KW (Yr - 1994)

Low Voltage Condition

Frequency	59.98	RMS	Voltage	Current
Power		Peak	216.6	16.39
KW	3.55	DC Offset	304.4	22.92
KVA	3.55	Crest	-0.1	-0.22
KVAR	0.13	THD Rms	1.41	1.40
Peak KW	7.04	THD Fund	1.93	2.16
Phase	2° lead	HRMS	1.94	2.16
Total PF	1.00	KFactor	4.2	0.35
DPF	1.00			1.05



Air Conditioner

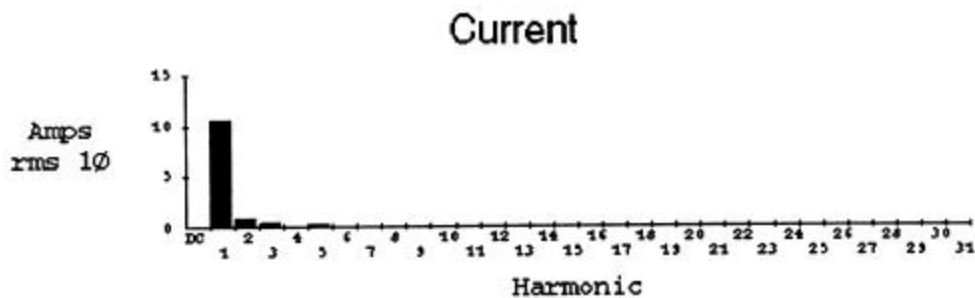
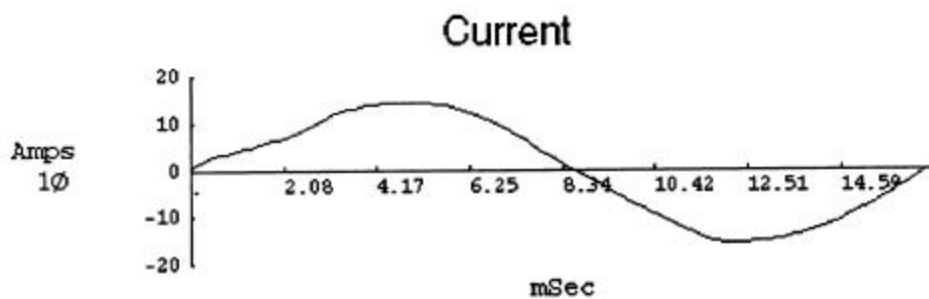
Model - America Standard ATJ024A100A0

Year of manufacture - 1970

Ratings 230V, 15.3A

Low Voltage Condition

			Voltage	Current
Frequency	59.98	RMS	212.3	10.55
Power		Peak	298.8	15.31
KW	2.22	DC Offset	0.1	-0.03
KVA	2.24	Crest	1.41	1.45
KVAR	0.25	THD Rms	1.39	10.36
Peak KW	4.74	THD Fund	1.39	10.41
Phase	6° lag	HRMS	3.0	1.09
Total PF	0.99	KFactor		1.07
DPF	0.99			



Air Conditioner

Model - America Standard ATJ024A100A0

Year of manufacture - 1970

Ratings 230V,15.3A

Normal Voltage Condition

Frequency	60.04	RMS	Voltage	Current
Power		Peak	237.7	10.43
KW	2.32	DC Offset	334.6	15.07
KVA	2.48	Crest	-0.1	-0.06
KVAR	0.83	THD Rms	1.41	1.44
Peak KW	5.34	THD Fund	1.52	12.91
Phase	20° lag	HRMS	1.52	13.02
Total PF	0.93	KFactor	3.6	1.34
DPF	0.94			1.09

